

CUDDLE LED



Installation: on extension arms with $\varnothing 60 \times 100$ mm ending

Ingress protection: IP 66 for the optical part and the driver

Material: anodised aluminium alloy

Colour: inox / black

Optical system: PMMA optics, interchangeable LED module

Number of LEDs: 24 for 48W, 60W, 72W; 48 for 96W, 120W, 144W

Operating temperature range: from -40°C to $+55^{\circ}\text{C}$ (for 48 W, 60 W, 72 W, 96 W, 120 W), from -40°C to $+40^{\circ}\text{C}$ (for 144 W)

Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h

CRI: >70 for 5000K, 4000K; >80 for 3500K

Corrective factor S/P: 1,8 for 5000K; 1,45 for 3500K; 1,55 for 4000K

Input voltage frequency: 50/60Hz

Power factor: ≥ 0.95

Inrush electric current: 46A / 250 μs for 48W, 60W, 72W; 53A / 300 μs for 96W, 120W, 144W

Luminaire CUDDLE LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ²⁾	Luminaire luminous flux ²⁾	Luminous efficacy	Unit volume	Luminaire net weight
222333/3/... ¹⁾	CUDDLE LED 48	48W	55W	700mA	3500K	7 000lm	6550lm	119lm/W	0,022m ³	8kg
222333/4/... ¹⁾	CUDDLE LED 48	48W	55W	700mA	4000K	7 300lm	6800lm	124lm/W	0,022m ³	8kg
222333/6/... ¹⁾	CUDDLE LED 48	48W	55W	700mA	5000K	8 150lm	7100lm	129lm/W	0,022m ³	8kg
222334/3/... ¹⁾	CUDDLE LED 60	60W	67W	830mA	3500K	8 050lm	7700lm	115lm/W	0,022m ³	8kg
222334/4/... ¹⁾	CUDDLE LED 60	60W	67W	830mA	4000K	8 950lm	8000lm	119lm/W	0,022m ³	8kg
222334/6/... ¹⁾	CUDDLE LED 60	60W	67W	830mA	5000K	9 350lm	8400lm	125lm/W	0,022m ³	8kg
222335/3/... ¹⁾	CUDDLE LED 72	72W	80W	1000mA	3500K	9 400lm	8950lm	112lm/W	0,022m ³	8kg
222335/4/... ¹⁾	CUDDLE LED 72	72W	80W	1000mA	4000K	10 450lm	9300lm	116lm/W	0,022m ³	8kg
222335/6/... ¹⁾	CUDDLE LED 72	72W	80W	1000mA	5000K	10 950lm	9750lm	122lm/W	0,022m ³	8kg
222337/3/... ¹⁾	CUDDLE LED 96	96W	105W	700mA	3500K	14 050lm	13100lm	125lm/W	0,045m ³	9kg
222337/4/... ¹⁾	CUDDLE LED 96	96W	105W	700mA	4000K	14 650lm	13550lm	129lm/W	0,045m ³	9kg
222337/6/... ¹⁾	CUDDLE LED 96	96W	105W	700mA	5000K	16 350lm	14250lm	136lm/W	0,045m ³	9kg
222339/3/... ¹⁾	CUDDLE LED 120	120W	129W	830mA	3500K	16 100lm	15450lm	120lm/W	0,045m ³	9kg
222339/4/... ¹⁾	CUDDLE LED 120	120W	129W	830mA	4000K	17 850lm	15950lm	124lm/W	0,045m ³	9kg
222339/6/... ¹⁾	CUDDLE LED 120	120W	129W	830mA	5000K	18 750lm	16750lm	130lm/W	0,045m ³	9kg
222341/3/... ¹⁾	CUDDLE LED 144	144W	154W	1000mA	3500K	18 850lm	17950lm	117lm/W	0,045m ³	9kg
222341/4/... ¹⁾	CUDDLE LED 144	144W	154W	1000mA	4000K	20 850lm	18600lm	121lm/W	0,045m ³	9kg
222341/6/... ¹⁾	CUDDLE LED 144	144W	154W	1000mA	5000K	21 900lm	19500lm	127lm/W	0,045m ³	9kg

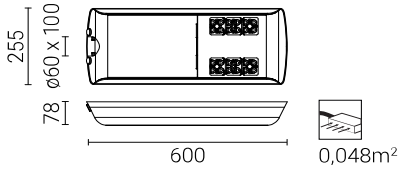
1) Symbol of chosen optical system eg. 222333/6/T2 is CUDDLE LED 48 5000K with T2 optical system

2) tolerance +/- 3% due to LEDs accuracy

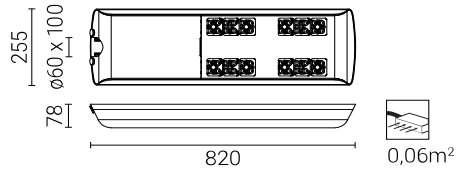
Directive: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC

CUDDLE LED

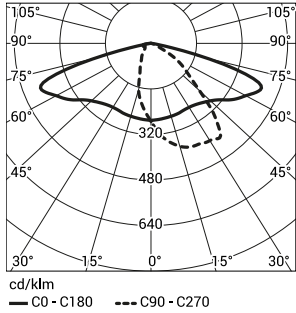
CUDDLE LED 48W, 60W, 72W



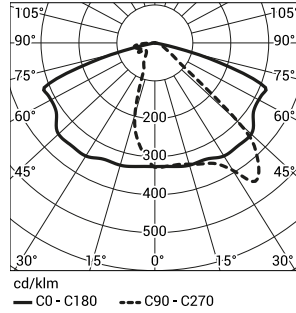
CUDDLE LED 96W, 120W, 144W



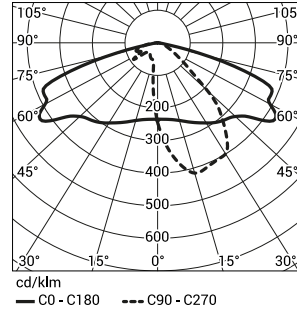
DW



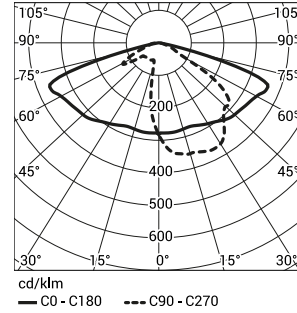
ME



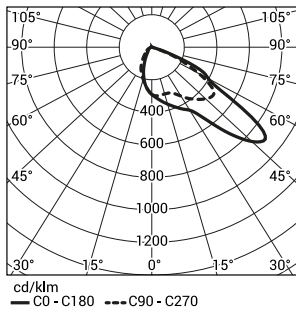
T2



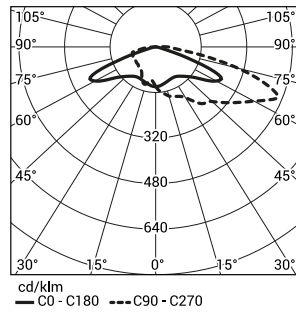
T3



PP



T4



Luminaire CUDDLE LED in standard has following functions of intelligent power supply:

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

Accetable quantity of luminaires CUDDLE LED on one circuit, protected by:

Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
Cuddle LED 48, 60, 72W	B	1	2	4	6	11	13	17
	C	1	4	6	11	18	28	28
Cuddle LED 96, 120, 144W	B	1	1	3	5	8	12	12
	C	1	3	5	8	13	20	20

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
Cuddle LED 48, 60, 72W	1	2	11	19	30	38	47
Cuddle LED 96, 120, 144W	1	1	6	19	15	19	24